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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/782,844	02/23/2004	Hisamaro Kato	118795	5520
25944	7590	09/27/2005		
OLIFF & BERRIDGE, PLC P.O. BOX 19928 ALEXANDRIA, VA 22320			EXAMINER SAWHNEY, HARGOBIND S	
			ART UNIT 2875	PAPER NUMBER
DATE MAILED: 09/27/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

AK

Office Action Summary	Application No. 10/782,844	Applicant(s) KATO ET AL.	
	Examiner Hargobind S. Sawhney	Art Unit 2875	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 23 February 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>2/23/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Hara et al. (US Patent No.; 6,398,366 B1).

Regarding claims 1-10, Hara et al. ('366 B1) a light source light source 6 attached to an optical device (Figure 6), and the light source device 6 comprising:

- a concave curved reflector 6b directing light from the light source 6a positioned within the reflector 6b (Figure 6, column 9, lines 10-14); a light-transmissive component 53 covering the light-radiation side of the reflector 6b (Figure 6, column 9, line 60); a light-source housing 2 accommodating the light source 6a, reflector 6b and the light transmissive component 53 (Figure 6); an opening 49 formed on the reflector 6b, and the opening 49 introducing cooling air to the light source 6a (Figure 6, column 9, lines 50-53); the light source housing 2 including an air-introduction opening 54

- corresponding to the air-introduction opening 49 in the reflector 6b (Figure 6, column 10, lines 12-17); a duct 46 protruding from the light source housing 2 connected to the discharge hole of the fan 25 (Figure 6, column 9, lines 40 and 45-49); the duct 46 attached to the optical equipment 2 (Figure 6);
- the duct 46 functioning as a shutter 55 and an automatic closing mechanism 54 (Figure 6, column 10, lines 8-11);
- the light source housing 2 including a positioning surface 42 locating the reflector 6b in the direction of the light beam reflected by the reflector 6b (Figure 6, column 9, lines 15-17; and column 10, lines 2-8); the duct 46 slidably – inserted in the wall - attached to the housing 2 intersecting the positioning surface 41a (Figure 6, column 9, lines 42-45);
- a projector 1 comprising a light source 6a, an optical modulator 12- including 12R, 12G and 12B optical elements- (Figure 2, column 7, lines 5-7) and an optical projection system 14 enlarging and projecting the optical image (Figure 6, column 7, line 26 ; and Figure 9, column 1, lines 48-54); and
- the light source housing 2 including a casing 4 accommodating the optical modulator 12 (Figure 2, column 7, lines 13-15); the casing 4 including an opening 4c receiving the light source device 6 (Figures 2 and 6, column 9, lines 15-17; and column 10, lines 2-8); the casing 4 including an opening – receiving the fan 25, used to attach or detach the light source device 6

(Figure 2, column 4, lines 54-56, 63-65; column 7, lines 17-20); the lid – the fan 25 itself – that closes the opening being attached to the opening (Figure 2).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Gishi et al. (US Patent No.: 6,837,583 B2), Horiuchi et al. (US Patent Application Pub. No.: US 2004/0207306 A1), Norita (US Patent No.: 6,759,793 B2), Nakagawa (US Patent No.: 6,509,674 B1), Eron (US Patent Application Pub. No.: US 2002/0159273 A1), Glowack, Sr. et al. (US Patent No.: 6,435,699 B2), Liao et al. (US Patent No.: 6,402,346 B1) Fujimori et al. (US Patent No.: 6,364,492 B1), Sweetser (US Patent No.: 3,701,895) and Kawahara (Japanese Patent No.: JP 2001-330890)

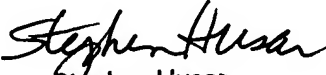
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hargobind S. Sawhney whose telephone number is 571 272 2380. The examiner can normally be reached on 6:15 - 2:45.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571 272 2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2875

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HSS
9/15/2005


Stephen Husar
Primary Examiner